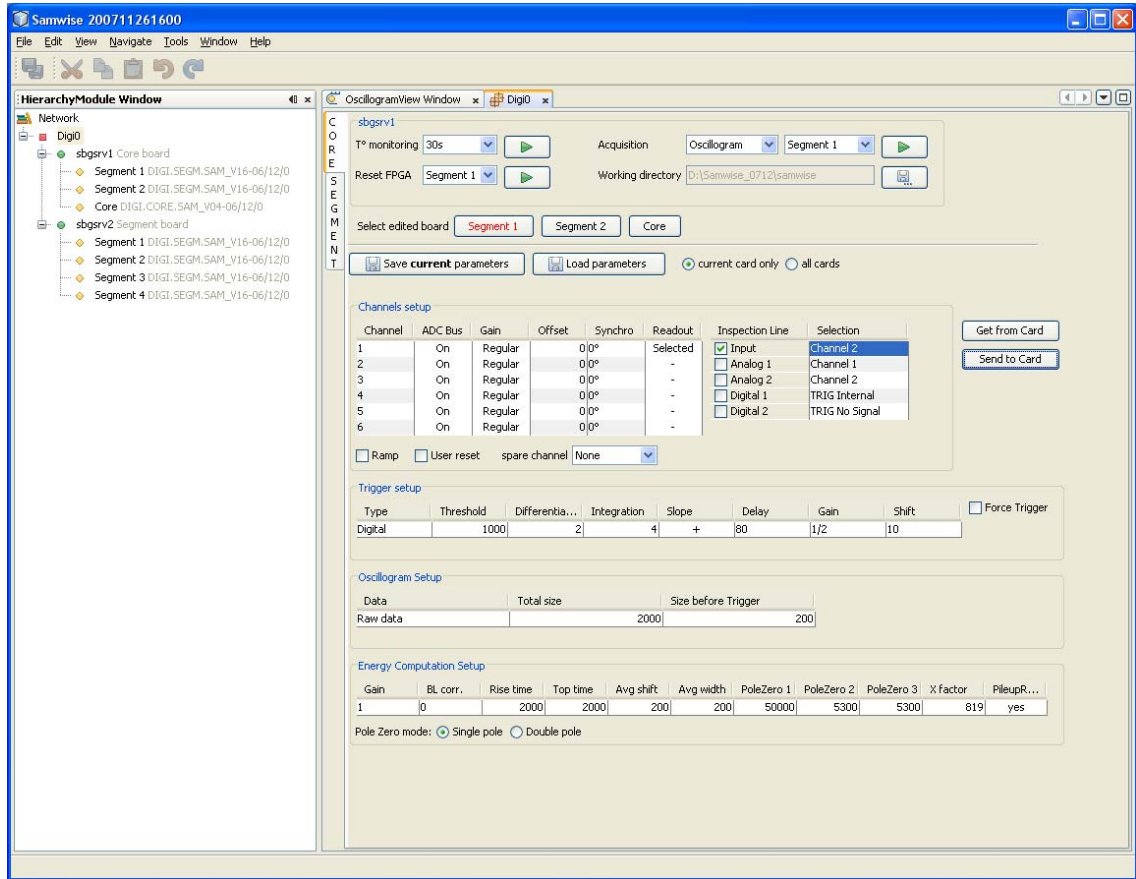


Analogue Inspection Line and oscillogram test

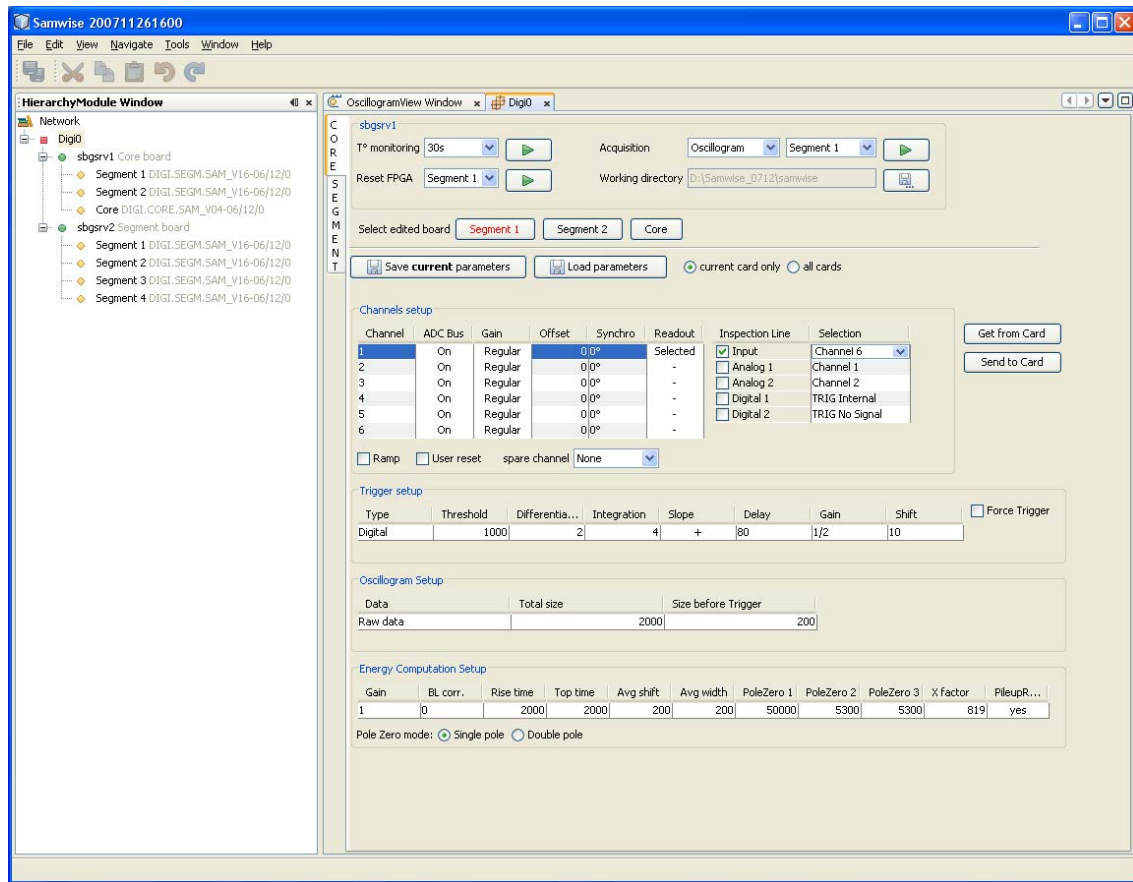
1. Use Agata Test board to inject dummy sine wave signals to the Digitiser
2. Choose a 1MHz, 1V pk-pk sine wave (0.5V pk-pk for core card Agata test Board) as the input to the Agata Test board, 50R load terminated.
3. Right click on Dig0 and select refresh all.
4. Select the card for testing, connect the input cable to the card and the analogue inspection line output to an oscilloscope.
5. Verify that a sine wave is seen on scope.
6. Select channel 2 (as shown below) and click "send to Card". The sine should increase in amplitude (see table below).

Channel (segment)	Sine wave amplitude (V), (as seen on Inspection line, front Panel)
1	0.144
2	0.224
3	0.304
4	0.376
5	0.456
6	0.536
Channel (core)	Sine wave amplitude (V), (as seen on Inspection line, front Panel)
1	0.685
2	NA

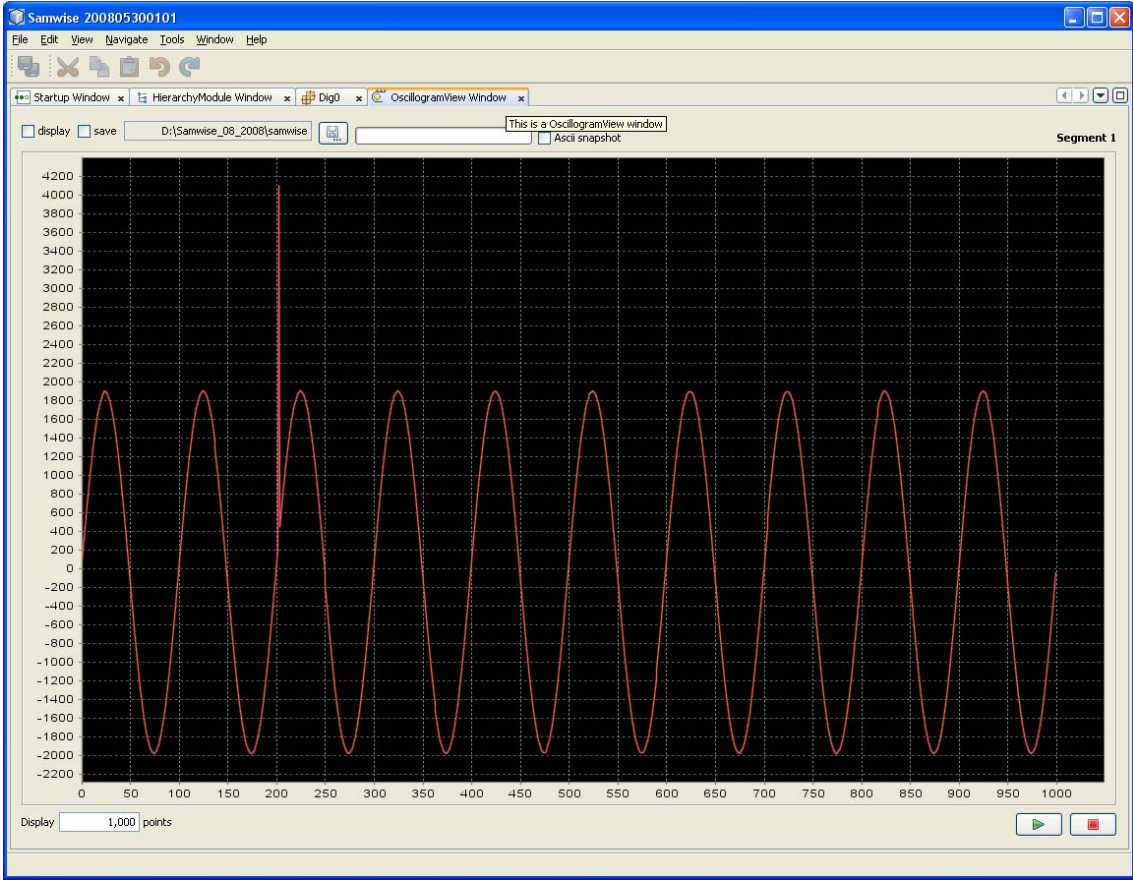
7. Repeat that for all 6 channels. If there is no sine wave for a particular channel, then check the input connector for loose contact.

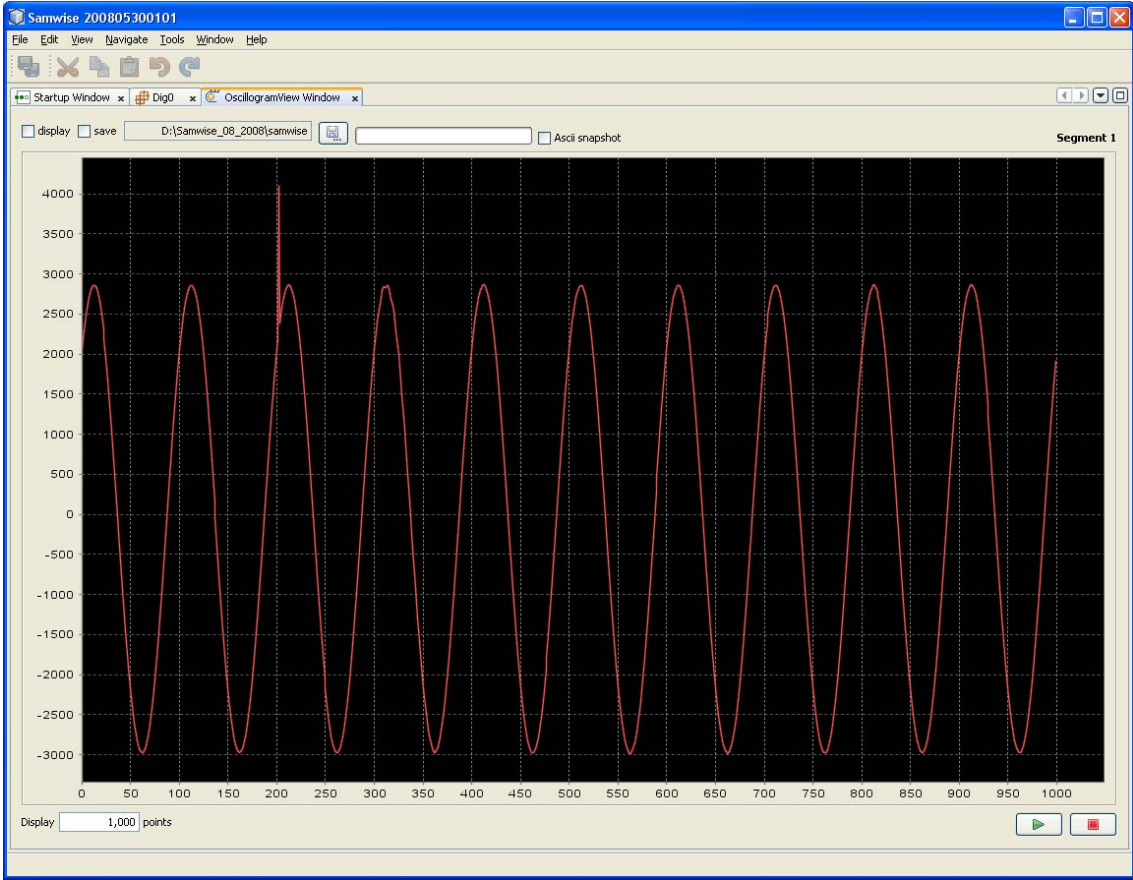


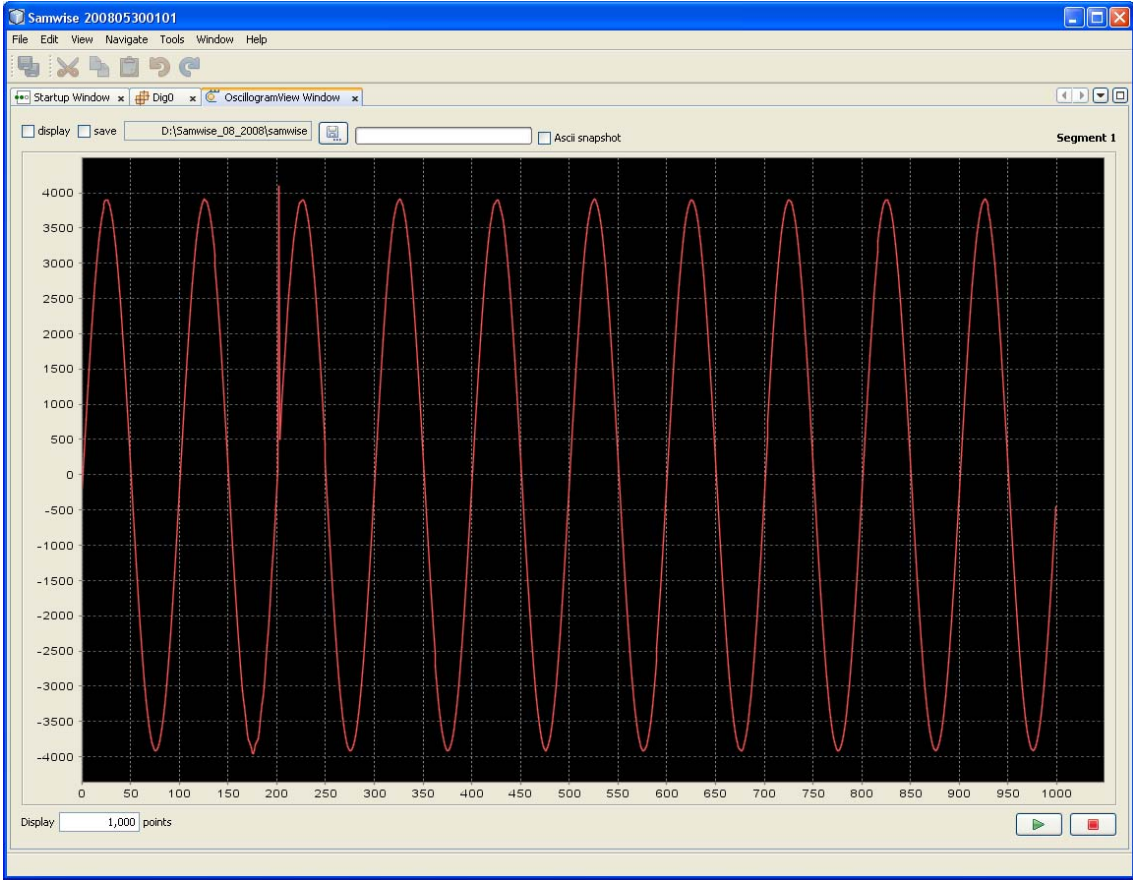
The next test is to view the sine wave of each channel in samwise. Select channel 1 as highlight below and then click on the green play icon at the top right to acquire the data for that channel:

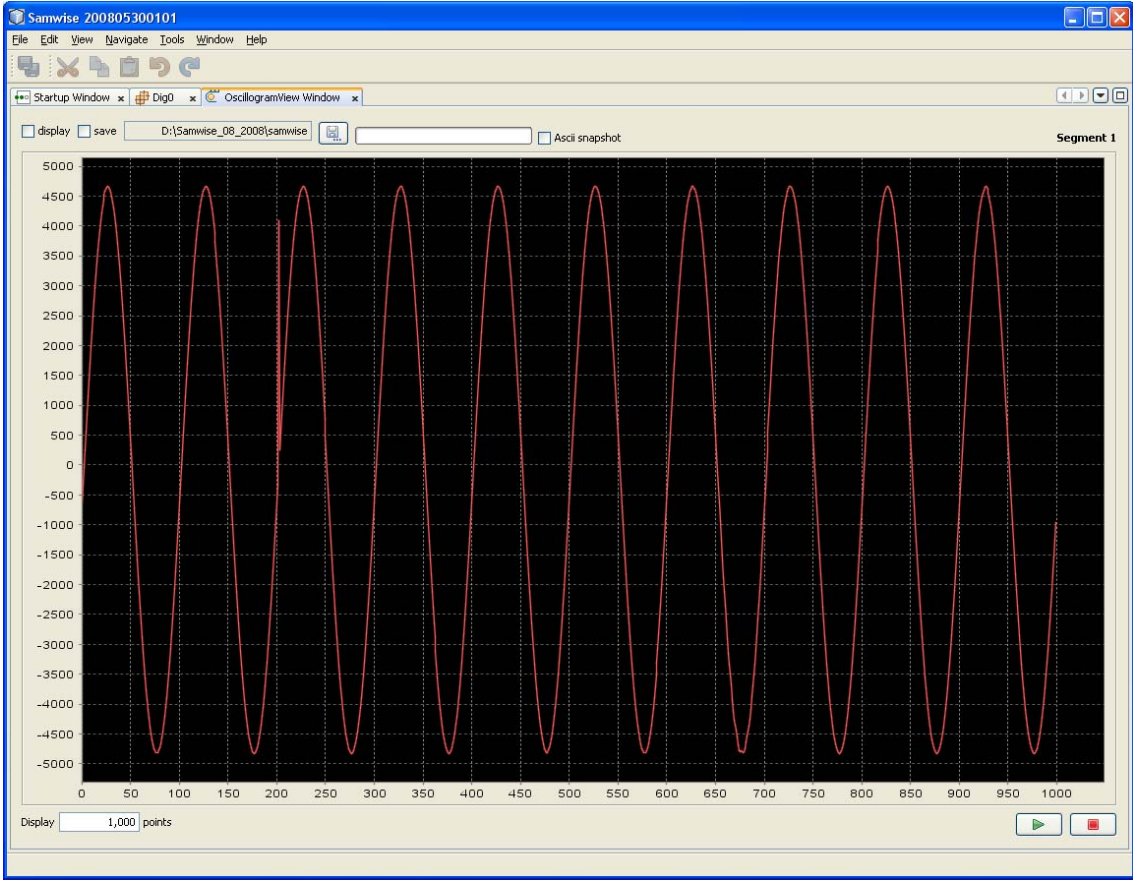


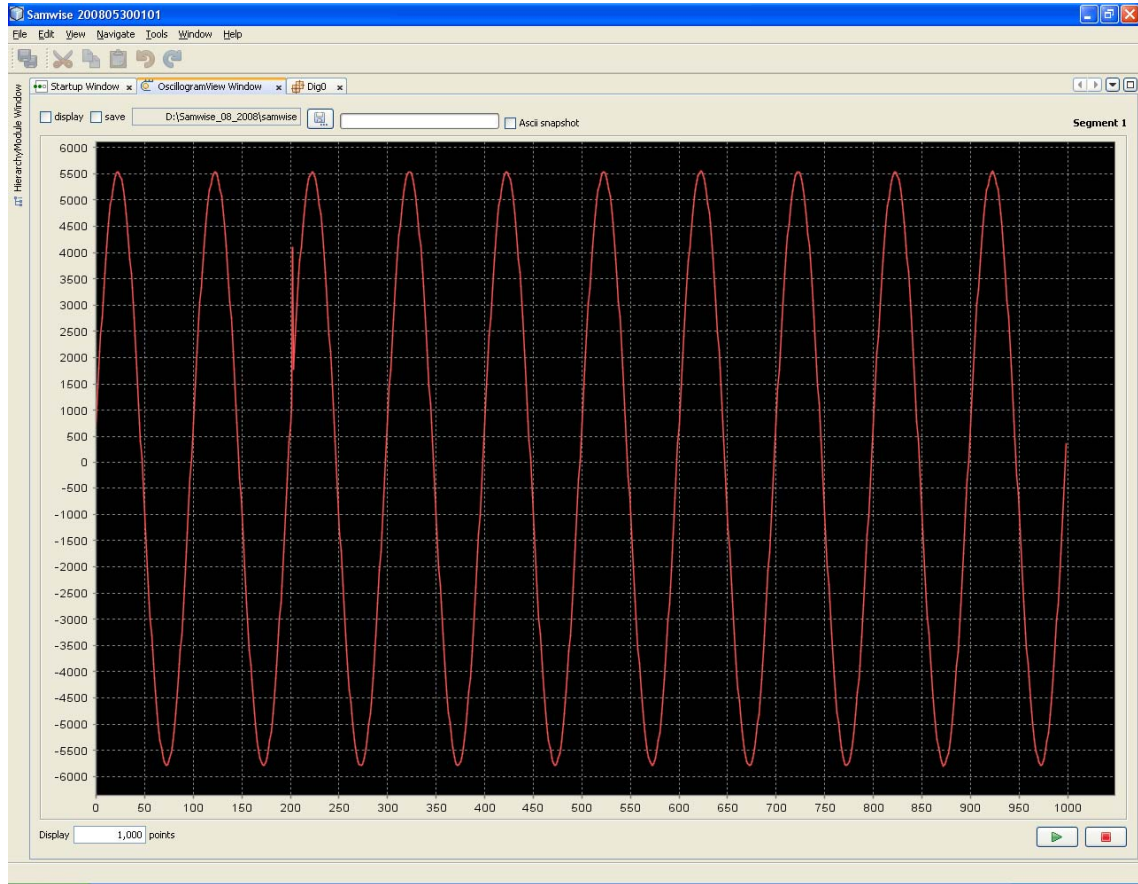
If successful you should see a sine wave. Stop acquisition, select channel 2 and enable acquisition. Repeat for all 6 channels (see snapshots below).

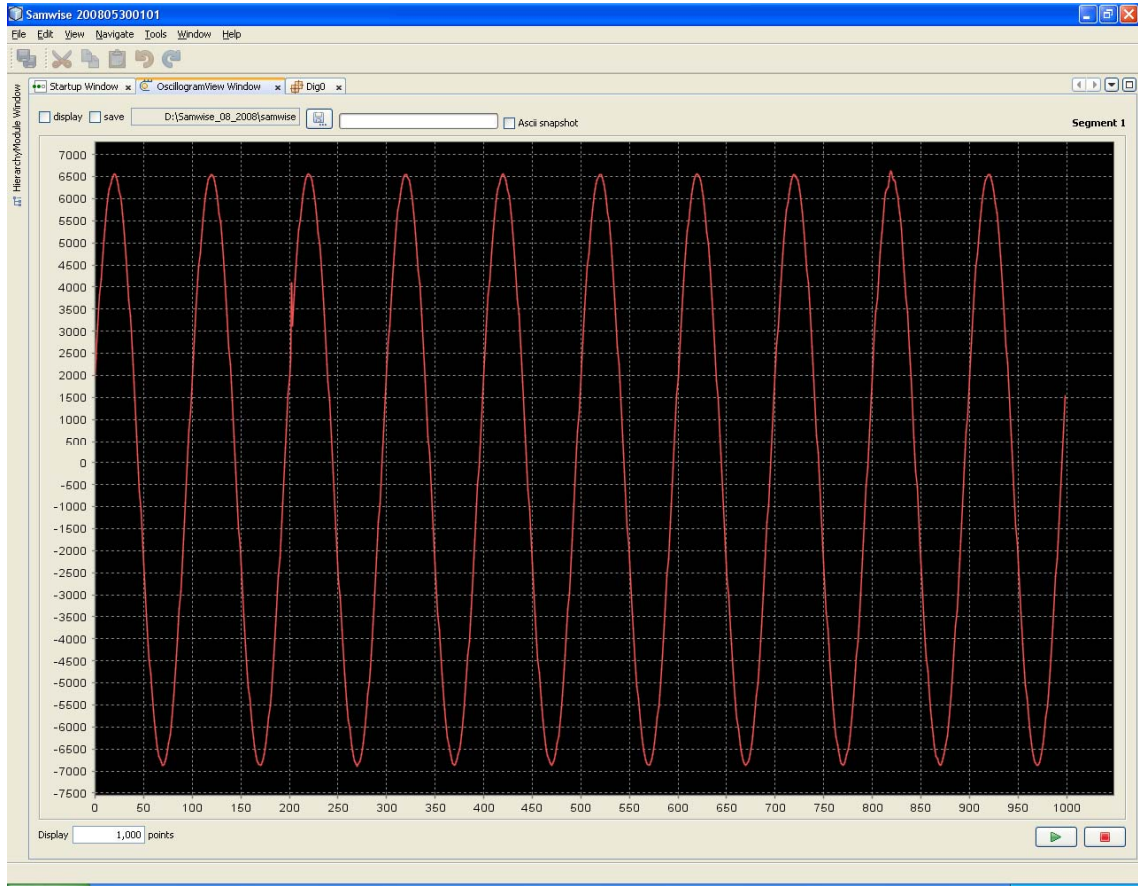












Core channels 1 and 2

